



Cotton/Soybean Insect Newsletter

Volume 8, Issue #4

Edisto Research & Education Center in Blackville, SC

30 May 2013

Pest Patrol Hotline

The information contained herein each week is available via a toll-free hotline. I will update the short message weekly for at least as long as the newsletter runs. Call the free number (877) 285-8525 and select the messages you would like to hear. Select #1 for updates from the Southern Region. Select #3 for the Southeast, and then select #1 to hear my message. Text alerts are also available. The hotline is sponsored by Syngenta.

Cotton/Soybean Insect Workshops

We are offering two workshops in June devoted to insect sampling, identification, and management in cotton and soybeans. At each workshop, we will have an indoor and in-field program, allowing for some hands-on training. The first one will be here at the Edisto REC (64 Research Road, Blackville, SC 29817 – just west of Blackville on Hwy 78) on 20 June. Please RSVP to me so that I can get a headcount for lunch (green4@clemson.edu).

The second one will be the following week on 27 June at the Pee Dee REC (2200 Pocket Road, Florence, 29506)...details soon.

News from Above the Lakes

No news to report this week. Email your observations to me by Wednesday for inclusion here.

News from Below the Lakes

Charles Davis, county agent in Calhoun County, reported that he hasn't "seen anything that scares me yet. A lot of our cotton got planted last week and is just coming up. Some older cotton got Orthene in with weed control. Haven't seen any [problems in] beans yet." Jonathan Croft, county agent in Orangeburg County, reported that he has seen "a couple fields of cotton with a low level of thrips and some damage in Colleton and Orangeburg Counties" but has seen "some fields with levels of thrips that need to be treated for adults and immatures. Also found some burrower bugs in one field in Orangeburg County, appears that seed treatment is taking care of them. Bugs on the ground and attached to the plants are dead or dying."

News from the Piedmont/Upstate

Cory Heaton, county agent in Chester County, reported that he is "seeing light thrips pressure in cotton" and hasn't heard of any problems in soybeans yet. He did mention that he is "still getting homeowner calls on kudzu bugs" with several complaints about them on fig trees.

Soybean & Cotton Insect Scouting Workshop	
Thursday, 20 June 2013	
Edisto Research and Education Center	
64 Research Road	
Blackville, SC 29817	
Agenda	
Registration.....	AM
(Lobby/Auditorium at Edisto REC)	8:30
Welcome.....	9:00
(Marion Barnes, Joe Varn, or Jeremy Greene)	
Safety/Personal Protective Equipment.....	9:10
(Marion Barnes)	
Overview of Important Soybean and Cotton Insects.....	9:30
(Jeremy Greene)	
Break and Travel to Plots.....	10:00
Tour of Soybean and Cotton Plots.....	10:15
Return to Auditorium.....	11:45
Lunch and Program Adjournment.....	PM
	12:00
Sponsors	
Ag South Farm Credit	Meherrin Ag & Chemical
Dow AgroSciences	DuPont

The Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, sex, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer. Clemson University Cooperating with U.S. Department of Agriculture, South Carolina Counties, Extension Service, Clemson, South Carolina.

Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.



Cotton Situation

As of 28 May 2013, the USDA NASS South Carolina Statistical Office had the cotton crop at 56% planted, well behind where we were last year at 83% planted and the 5-yr average of 82% planted. Soil moisture conditions as a whole for the state were described as 7% short, 82% adequate, and 11% surplus, again with some areas getting too much rain and others not getting any or enough. These are observed/perceived state-wide averages.

Current Problems in Cotton

Thrips are about it for now. If you need to spray, spray early in crop development. Don't wait and practice "revenge" spraying!

Soybean Situation

As of 28 May 2013, the USDA NASS South Carolina Statistical Office had the soybean crop at 42% planted, behind where we were last year at 50% but not too far behind the 5-yr average of 47% planted. About 26% of the soybean crop has emerged, behind where we were last year at 35% and the 5-yr average of 32%. These are observed/perceived state-wide averages.

Kudzu Bugs

Every other time my phone rings, it is a question about this species. So, here is my best advice on how to deal with early populations that look like the picture shown here (taken yesterday by me). If your field looks like this, it probably looks like this around the edges of the field. If you go out into the field a sprayer pass or two, populations drop off. Consider using a border spray this early. As I mentioned in the last newsletter, these overwintered adults will die soon leaving many hatching eggs. We need to concentrate on killing that new generation. A border spray might do all that you need, saving some dollars and time, and buy you some time for a whole-field spray later. We have very limited data on these early-season infestations. This only happened for the first time last year! If your entire field looks like this, a whole-field spray would not be a bad move either. It might require a retreatment a couple of weeks later, but it might not. We are continuing to learn about this species. I will provide some insecticide data next week.



The latest distribution of the species in the southeastern USA can be viewed at the link below and on the next page. Anytime you want to check the map, click on the link below, and you will be taken to the updated map:
<http://maps.bugwood.org/eddmascustomcounty2.cfm?map=5&legend=bottom&height=600&width=550>

The Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, sex, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer. Clemson University Cooperating with U.S. Department of Agriculture, South Carolina Counties, Extension Service, Clemson, South Carolina.

Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.



Here is a link to a video we produced late last season. It basically describes that we need to focus our control of kudzu bugs on the immature stage:

<http://www.clemson.edu/public/psatv/ag/kudzu.html>

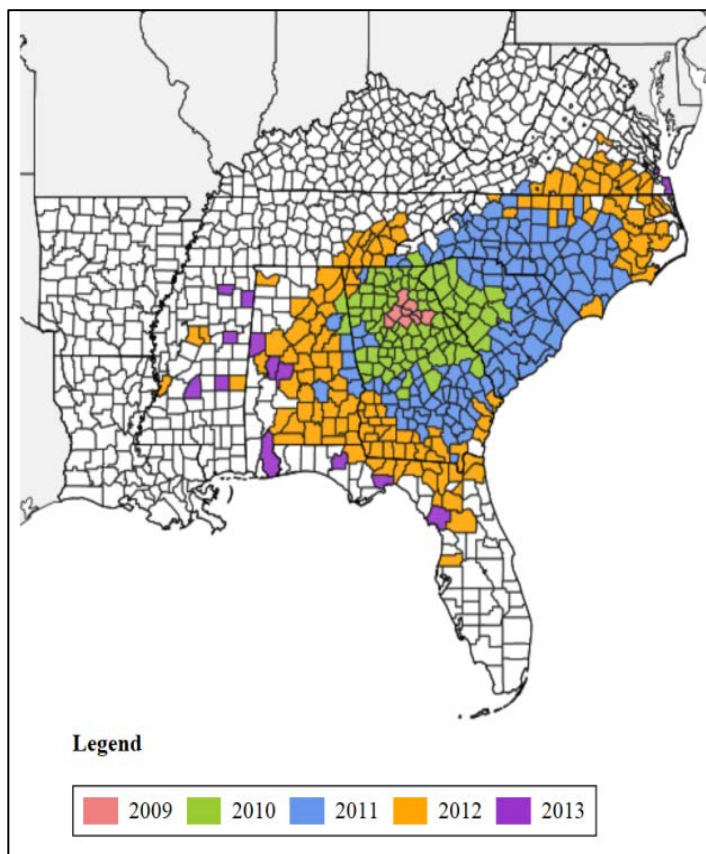
For now, our best recommendations are located in a kudzu bug field guide the USB helped us produce last year that is available online at: <http://digital.turn-page.com/i/87846>

Bollworm & Tobacco Budworm

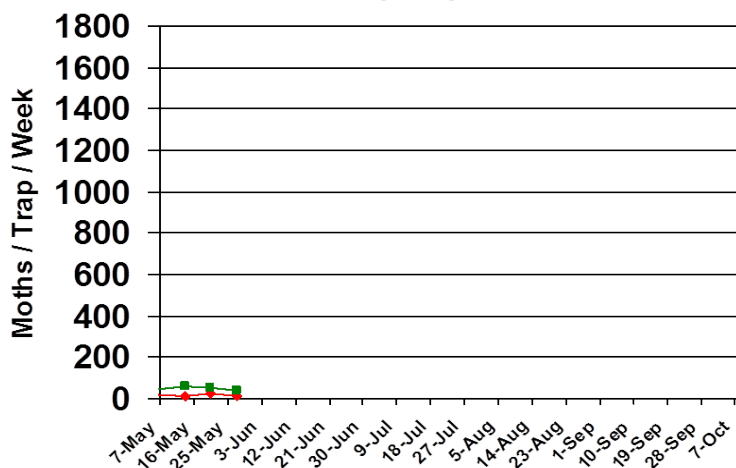


Captures of bollworm (BW) and tobacco budworm (TBW) moths in pheromone traps at EREC this season are shown below, as are the captures from 2012 for reference.

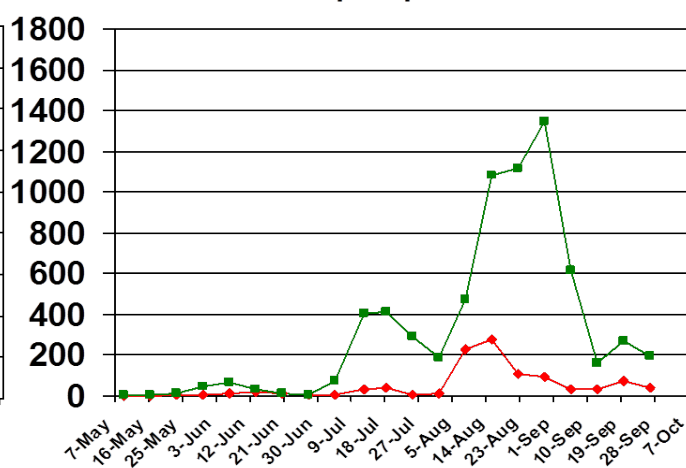
Tobacco budworm continues to be important for our soybean acres and for a very limited number of non-Bt-cotton acres. I provide these data as a measure of moth activity in our local area as an indication of moth presence and activity near my research plots. The numbers are not necessarily representative of the species throughout the state.



Pheromone Trap Capture SC - 2013



Pheromone Trap Capture SC - 2012



The Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, sex, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer. Clemson University Cooperating with U.S. Department of Agriculture, South Carolina Counties, Extension Service, Clemson, South Carolina.

Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.



Sprayer Calibration Mobile App



Download our free mobile app called “Calibrate My Sprayer” that helps check for proper calibration of spraying equipment (available in both iOS and Android formats): <http://www.clemson.edu/extension/mobile-apps/>

Pest Management Handbook - 2013

Insect control recommendations are available online in the 2013 South Carolina Pest Management Handbook at: <http://www.clemson.edu/extension/rowcrops/pest/>

Need More Information?

For more Extension information: <http://www.clemson.edu/extension/>

For historical cotton/soybean insect newsletters:

http://www.clemson.edu/extension/rowcrops/cotton/pest_management/newsletters/index.html

Sincerely,

Jeremy K. Greene, Ph.D.
Professor – Entomologist



Visit our website at:
<http://www.clemson.edu>

The Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, sex, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer. Clemson University Cooperating with U.S. Department of Agriculture, South Carolina Counties, Extension Service, Clemson, South Carolina.

Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.